

WISCONSIN ECONOMIC INDICATORS

JANUARY 1988



DILHR

DEPARTMENT OF
INDUSTRY, LABOR & HUMAN RELATIONS

WISCONSIN DATA AND SOURCES

INDICATOR	SOURCE
L1 Composite Index of Leading Indicators	Wis. Dept. of Industry, Labor and Human Relations
L2 Average Work Week, Manufacturing	Wis. Dept. of Industry, Labor and Human Relations
L3 Average Overtime Hours, Mfg.	Wis. Dept. of Industry, Labor and Human Relations
L4 Average Weekly Initial Claims	Wis. Dept. of Industry, Labor and Human Relations
L5 Total Job Openings Received	Wis. Dept. of Industry, Labor and Human Relations
L6 New Business Incorporations	Wisconsin Secretary of State
L7 Net Gain in Business Phone Access Lines	Wis. Telephone Co. and General Telephone Co.
L8 Building Plans Examined	Wis. Dept. of Industry, Labor and Human Relations
C1 Help-Wanted Advertising Index (Milw.)	National Industrial Conference Board
C2 Total Unemployment Rate	Wis. Dept. of Industry, Labor and Human Relations
C3 Natural Gas Sales	Wisconsin Public Service Commission
C4 New Car Registrations	Wis. Department of Transportation
C5 Electric Power Sales	Wisconsin Public Service Commission
C6 Total Securities Registrations	Wisconsin Commissioner of Securities
C7 Manufacturing Employment	Wis. Dept. of Industry, Labor and Human Relations
C8 Average Weekly Earnings, Mfg.	Wis. Dept. of Industry, Labor and Human Relations
C9 Cash Receipts From Farm Marketing	U.S. Department of Agriculture
C10 Contract Construction Employment	Wis. Dept. of Industry, Labor and Human Relations
X1 Birth Registrations	Wis. Department of Health and Social Services
X2 Death Registrations	Wis. Department of Health and Social Services
X3 Natural Net Gain in Population	Wis. Department of Health and Social Services
X4 Marriage Registrations	Wis. Department of Health and Social Services
X5 Consumer Price Index (Milwaukee)	U.S. Bureau of Labor Statistics
X6 Index of Prices Received By Farmers	Wisconsin Department of Agriculture
X7 Net Gain in Residential Phone Access Lines	Wis. Telephone Co. and General Telephone Co.
X8 Labor Disputes, No. of Workers	Wis. Dept. of Industry, Labor and Human Relations
X9 Unemployment Compensation Exhaustees	Wis. Dept. of Industry, Labor and Human Relations

NOTES: Selected series are seasonally adjusted by the Bureau of the Census X-11 Variant of the Census Method II Seasonal Adjustment Program. The adjusted data are plotted on arithmetic scales.

SECTION A is a summary of recent data and current changes for all indicators and is presented in chart form. The indicators are presented with cyclical timing as the principle basis of classification.

SECTION B is a summary of Wisconsin Labor Force Estimates, including Employment, Unemployment and Unemployment Rates, and selected U.S. data.

SECTION C analyzes the Wisconsin labor force by industry and by specified Standard Metropolitan Statistical Areas.

SECTION D singles out certain economic time series as being leading or coinciding in relation to movements in aggregate economic activity. They are seasonally adjusted and presented graphically. The indicators are grouped by cyclical timing.

WISCONSIN ECONOMIC INDICATORS

SUMMARY FOR DECEMBER

COMPOSITE INDEX

The Composite Index of Wisconsin's leading economic indicators dropped by 5.8 percentage points in December. Though that is a large decrease, the figure for December, 99.3, is well above the index of one year ago. The Composite Index had been growing strongly in 1987, and will likely regain momentum.



LEADING INDICATORS

The average workweek for production workers in manufacturing remained the same as one month ago. The average 42.4 hours on the job should have increased to match the normal seasonal trend. However, the workweek averages for October and November were unusually high. Thus, a normal December trend would have meant a workweek that matched the highest level of hours on record.

While the workweek remained level, a subpar performance, the manufacturing employment level decreased. However, the decrease is small, only nine-hundred workers ... so, the manufacturing employment trend is up.

The average weekly overtime in manufacturing is down by one-tenth of an hour. Overtime usually increases in December, but this month's slight decline is probably due to fewer than normal layoffs.

The number of average weekly claims for unemployment compensation jumped up by over three thousand in December. While that is a large amount, about seventy-five percent of the increase is due to normal seasonal factors. An increase of over two thousand in the claims average would have fit this month's seasonal pattern.

The total number of job openings received by Job Service offices throughout the state decreased by nearly thirteen-hundred in December. About half of the decrease is normal for this month.

New business incorporations increased by nearly two-hundred and that is well about the seasonal trend. A slight increase - less than twenty - would have been normal for December.

The net gain in business telephone access lines decreased by over eight-hundred. That is a sharper drop than the normal seasonal trend.

Building plans examined decreased by over two hundred. However, plans examined usually decrease by a large amount in December. A decrease of about one-hundred-seventy would have been on par this month.

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WISCONSIN ECONOMIC INDICATORS

INDICATOR	UNIT	MONTHLY SERIES			% CHANGE		AVG.	
		Latest Month		Mo/Ago	Yr/Ago	Mo/Ago	Yr/Ago	1986
LEADING INDICATORS								
L1 COMPOSITE INDEX OF LEADING INDICATORS								
Seasonally Adjusted	INDEX	99.3	Dec	105.1	85.7	- 5.5	15.9	93.0
L2 AVG. WORK WEEK, MFG.								
Unadjusted	HOURS	42.4	Dec	42.4	41.9	0.0	1.2	41.4
Seasonally Adjusted		41.7		42.0	41.1	- 0.7	1.5	
L3 AVG. OVERTIME HOURS, MFG.								
Unadjusted	HOURS	4.4	Dec	4.5	3.8	- 2.2	15.8	3.6
Seasonally Adjusted		4.1		4.4	3.6	- 6.8	13.9	
L4 AVG. WEEKLY INITIAL CLAIMS								
Unadjusted	NUMBER	12,364	Dec	9236	14,786	33.9	-16.4	8802
Seasonally Adjusted		7801		7313	9331	6.7	-16.4	
L5 TOTAL JOB OPENINGS REC.								
Unadjusted	NUMBER	5703	Dec	6978	5269	-18.3	8.2	7743
Seasonally Adjusted		7174		7930	6624	- 9.5	8.3	
L6 NEW BUSINESS INCORPORATIONS								
Unadjusted	NUMBER	674	Dec	478	530	41.0	27.2	539
Seasonally Adjusted		688		505	541	36.2	27.2	
L7 NET GAIN IN BUSINESS PHONES ACCESS LINES								
Unadjusted	NUMBER	1661	Dec	2488	1048	-33.2	58.5	1276
Seasonally Adjusted		1765		1815	1283	- 2.8	37.6	
L8 BUILDING PLANS EXAMINED								
Unadjusted	NUMBER	464	Dec	674	407	-31.2	14.0	560
Seasonally Adjusted		632		684	554	- 7.6	14.1	
ROUGHLY COINCIDING INDICATORS								
C1 HELP-WANTED INDEX (MILW.)								
Seasonally Adjusted	INDEX	93	Dec	89	60	4.5	55.0	60
C2 UNEMPLOYMENT RATE, TOTAL								
Unadjusted	PERCENT	6.2	Dec	6.0	7.1	-	-	7.0
Seasonally Adjusted		5.9		6.4	6.7	-	-	
C3 NATURAL GAS SALES								
Unadjusted	MIL. THERMS	213.6	Nov	164.8	272.1	29.6	-21.5	214.6
Seasonally Adjusted		177.0		212.6	225.4	-16.7	-21.5	
C4 NEW CAR REGISTRATIONS								
Unadjusted	NUMBER	10,967	Dec	10,024	10,519	9.4	4.3	16,947
Seasonally Adjusted		15,670		13,025	15,028	20.3	4.3	
C5 ELECTRIC POWER SALES								
Unadjusted	MIL. KWH	2011.5	Nov	2173.7	1935.7	- 7.5	3.9	1946.0
Seasonally Adjusted		2052.6		2122.8	1974.7	- 3.3	3.9	
C6 TOTAL SECURITIES REGISTRATIONS								
Unadjusted	MIL. DOL.	116.0	Dec	119.3	130.7	- 2.8	-11.2	171.0
Seasonally Adjusted		129.0		123.0	145.4	4.9	-11.3	

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WISCONSIN ECONOMIC INDICATORS

INDICATOR	UNIT	MONTHLY SERIES			% CHANGE		AVG.	
		Latest Month		Mo/Ago	Yr/Ago	Mo/Ago	Yr/Ago	1986
C7 MANUFACTURING EMPL.								
Unadjusted	THOUS	528.0	Dec	528.9	509.9	- 0.2	3.5	513.0
Seasonally Adjusted		531.2		528.4	513.1	0.5	3.5	
C8 AVG. WEEKLY EARNINGS, MFG.								
Unadjusted	DOLLARS	454.95	Dec	453.26	440.26	0.4	3.3	427.38
Seasonally Adjusted		439.57		445.68	425.48	- 1.4	3.3	
C9 CASH RECEIPTS FROM FARM MKTG.								
Unadjusted	MIL. DOL.	458.0	Sep	439.4	433.6	4.2	5.6	416.8
Seasonally Adjusted		452.1		435.0	427.9	3.9	5.6	
C10 CONTRACT CONSTRUCTION EMPL.								
Unadjusted	THOUS	65.3	Dec	69.5	63.3	- 6.0	3.2	64.0
Seasonally Adjusted		66.4		65.0	64.3	2.2	3.3	
OTHER KEY INDICATORS								
X1 BIRTH REGISTRATIONS								
Unadjusted	NUMBER	5589	Dec	5193	5615	7.6	- 0.5	6033
Seasonally Adjusted		6149		5841	6178	5.3	- 0.5	
X2 DEATH REGISTRATIONS								
Unadjusted	NUMBER	3524	Dec	3499	3618	0.7	- 2.6	3514
Seasonally Adjusted		3570		3703	3664	- 3.6	- 2.6	
X3 NATURAL NET GAIN POPULATION								
Unadjusted	NUMBER	2065	Dec	1694	1997	21.9	3.4	2519
Seasonally Adjusted		2637		2036	2551	29.5	3.4	
X4 MARRIAGE REGISTRATIONS								
Unadjusted	NUMBER	1865	Dec	2644	1816	-29.5	2.7	3207
Seasonally Adjusted		3243		3039	3156	6.7	2.8	
X5 CONSUMER PRICE INDEX (MILW.)				(Nov '86)	(Jul '86)			
Unadjusted	INDEX	340.0	Jun	330.7	331.3	2.8	2.6	331.7
X6 PRICES RECEIVED BY FARMERS								
Unadjusted	INDEX	132	Dec	133	135	- 0.8	- 2.2	131
Seasonally Adjusted		133		132	137	0.8	- 2.9	
X7 NET GAIN IN RESIDENTIAL PHONES ACCESS LINES								
Unadjusted	NUMBER	1831	Dec	1625	- 419	12.7	537.0	1363
Seasonally Adjusted		1940		1588	1861	22.2	4.2	
X8 LABOR DISPUTES, NO. OF WORKERS								
Unadjusted	NUMBER	11	Dec	11	390	0.0	- 97.2	769
Seasonally Adjusted		15		15	527	0.0	- 97.2	
X9 UNEMPL. COMPENSATION EXHAUSTEES								
Unadjusted	NUMBER	14,668	Dec	14,685	22,153	- 0.1	- 33.8	26,223
Seasonally Adjusted		16,352		16,227	24,709	0.8	- 33.8	

B**LABOR FORCE ESTIMATES**

WISCONSIN LABOR FORCE ESTIMATES		(In Thousands)			Pct. Chg.	
DECEMBER		Latest Month*	Month Ago	Year Ago	Month Ago	Year Ago
<i>Unadjusted</i>						
CIVILIAN LABOR FORCE		2505.3	2524.5	2423.6	- 0.8	3.4
Employment (Inc. Labor Disputes)		2348.8	2372.6	2251.7	- 1.0	4.3
Unemployment		156.5	151.9	171.9	3.0	- 9.0
Unemployment Rate		6.2	6.0	7.1	-	-
<i>Seasonally Adjusted</i>						
CIVILIAN LABOR FORCE		2506.6	2513.0	2424.4	- 0.3	3.4
Employment (Inc. Labor Disputes)		2358.2	2351.4	2261.5	0.3	4.3
Unemployment		148.3	161.6	162.9	- 8.2	- 9.0
Unemployment Rate		5.9	6.4	6.7	-	-

WISCONSIN EMPLOYMENT ESTIMATES		(In Thousands)			Pct. Chg.	
DECEMBER		Latest Month	Month Ago	Year Ago	Month Ago	Year Ago
TOTAL NONFARM WAGE AND SALARY WORKERS		2099.1	2103.7	2042.8	- 0.2	2.8
<i>Unadjusted</i>						
Manufacturing		528.0	528.9	509.7	- 0.2	3.6
Mining		2.0	2.3	1.8	-13.0	11.1
Contract Construction		65.3	69.5	63.3	- 6.0	3.2
Transportation and Public Utilities		94.6	95.1	93.9	- 0.5	0.7
Elec., Gas and Sanitary Services		17.5	17.4	17.4	0.6	0.6
Wholesale Trade		106.6	106.7	101.9	- 0.1	4.6
Retail Trade		405.7	403.4	392.5	0.6	3.4
General Merchandise		54.8	54.2	53.1	1.1	3.2
Finance, Insurance and Real Estate		112.2	112.0	109.7	0.2	2.3
Banking		28.4	28.3	28.0	0.4	1.4
Insurance		37.4	37.2	36.2	0.5	3.3
Service and Miscellaneous		454.5	454.4	438.0	0.0	3.8
Hospitals		70.1	70.0	67.3	0.1	4.2
Private Education		25.6	25.6	24.6	0.0	4.1
Government		330.1	331.3	331.9	- 0.4	- 0.5
State Government		83.0	84.3	85.7	- 1.5	- 3.2
Local Government		218.3	218.3	217.7	0.0	0.3

UNITED STATES LABOR FORCE ESTIMATES		(In Thousands)			Pct. Chg.	
DECEMBER		Latest Month	Month Ago	Year Ago	Month Ago	Year Ago
<i>Seasonally Adjusted</i>						
CIVILIAN LABOR FORCE		120,722	120,594	118,576	0.1	1.8
Employment		113,744	113,504	110,657	0.2	2.8
Unemployment		6,978	7,090	7,919	- 1.6	-11.9
Unemployment Rate		5.8	5.9	6.7	-	-

* Latest month data are preliminary

MANUFACTURING EMPLOYMENT (Unadjusted) DECEMBER	(In Thousands)		
	Latest Month	Month Ago	Year Ago
All Manufacturing (Including Canning)	528.0	528.9	509.7
All Manufacturing (Excluding Canning)	520.0	519.9	501.5
Durable Goods	324.5	323.1	309.2
Lumber and Wood Prod., (Except Furniture)	25.8	26.0	23.5
Sawmills and Planning Mills	3.0	3.1	3.1
Millwork, Veneer, Plywood & Prefab. Wood Prod.	13.2	13.2	11.7
Furniture and Fixtures	11.6	11.5	10.6
Household Furniture	4.9	4.9	4.4
Stone, Clay and Glass Products	8.9	9.4	7.7
Concrete, Gypsum and Plaster Products	4.4	4.9	3.4
Primary Metal Industries	19.9	19.7	18.6
Iron and Steel Foundries	10.4	10.4	9.4
Fabricated Metal Products	52.2	52.0	50.8
Heating Equipment (Except Electrical) & Plumbing Fixtures	7.1	7.0	6.8
Fabricated Structural Metal Products	12.5	12.6	11.9
Metal Stampings	10.7	10.7	10.6
Machinery (Except Electrical)	104.3	102.9	97.8
Engines and Turbines	21.1	20.9	19.8
Farm Machinery and Equipment	13.0	12.9	11.7
Const., Min. & Material Handling Mach. & Equip.	12.0	11.8	10.9
Metalworking Machinery and Equipment	10.6	10.6	10.8
Special Industry Machinery (Except Metalworking)	12.4	12.3	11.4
General Industrial Machinery and Equipment	14.5	14.3	13.7
Service Industry Machines	6.7	6.7	6.7
Electrical Machinery, Equipment and Supplies	47.6	47.7	48.4
Electrical Industrial Apparatus	15.0	15.1	15.7
Household Appliances	6.4	6.4	6.4
Transportation Equipment	33.5	32.8	31.5
Motor Vehicles and Equipment	27.3	26.5	23.9
Instruments and Related Products	11.2	11.1	11.0
Miscellaneous Manufacturing	9.5	9.9	9.1
Nondurable Goods	203.4	205.9	200.5
Food and Kindred Products	58.1	60.3	58.8
Meat Products	12.9	13.9	14.2
Dairy Products	18.2	18.1	17.3
Canning and Preserving	7.9	9.0	8.2
Bakery Products	5.2	5.2	4.8
Beverage Industries	7.1	7.2	7.4
Textile Mill Products	4.0	4.2	3.6
Knitting Mills	3.5	3.6	3.1
Apparel and Other Finished Products	6.8	6.8	6.9
Paper and Allied Products	49.4	49.4	49.3
Pulp and Paper Mills	30.5	30.7	31.0
Converted Paper and Paperboard Products	10.4	10.2	10.1
Paperboard Containers and Boxes	7.3	7.3	7.0
Printing, Publishing and Allied Industries	41.6	41.6	40.2
Newspapers	12.5	12.5	12.5
Commercial Printing	18.1	18.1	17.1
Chemicals and Allied Products	11.5	11.5	10.7
Rubber and Misc. Plastics Products	24.9	25.0	24.2
Miscellaneous Plastics Products	20.7	20.7	19.7
Leather and Leather Products	7.0	7.0	6.6
Leather Tanning and Finishing	1.7	1.7	1.6
Footwear (Except Rubber)	3.4	3.4	3.1
Other Nondurable Goods	-	-	-

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WISCONSIN EARNINGS AND HOURS DATA

EARNINGS AND HOURS (Unadjusted)	Average Weekly			Average Weekly		
	Earnings			Hours		
	Latest Month	Mo. Ago	Yr. Ago	Latest Month	Mo. Ago	Yr. Ago
DECEMBER						
All Manufacturing (Incl. Canning)	\$455	\$453	\$440	42.4	42.4	41.9
All Manufacturing (Excl. Canning)	457	457	443	42.5	42.6	42.0
Durable Goods	468	467	449	43.1	43.1	42.3
Lumber/Wood Prod. (Exc. Furn.)	316	318	309	39.7	40.2	40.8
Furniture and Fixtures	343	345	353	42.8	42.0	43.2
Stone, Clay and Glass Products	417	443	410	44.2	46.4	44.6
Primary Metal Industries	483	472	455	46.6	46.2	44.6
Iron and Steel Foundries	498	482	453	48.4	47.8	45.7
Fabricated Metal Products	447	451	424	42.7	43.3	41.1
Fab. Structural Metal Prod.	436	470	461	43.4	47.1	44.6
Metal Stampings	469	474	444	41.3	41.5	40.4
Machinery (Except Electrical)	534	530	513	45.5	44.8	43.6
Engines and Turbines	593	609	598	45.0	45.4	45.2
Farm Machinery and Equip.	596	580	550	47.6	46.5	42.4
Const. and Related Mach.	539	520	497	49.7	45.6	45.9
Metalworking Mach. and Equip.	533	534	538	43.9	43.8	43.7
Spec. Ind. Mach. (Exc. Metal)	522	509	502	44.0	43.5	42.5
Gen. Industrial Mach. and Equip.	486	479	497	42.9	42.5	42.8
Electrical Mach., Equip. and Supp.	419	423	413	40.7	41.1	41.3
Electrical Industrial Apparatus	452	456	437	41.5	41.7	41.4
Transportation Equipment	596	599	563	41.1	41.4	41.4
Instruments and Related Prod.	412	395	369	44.8	43.5	41.3
Nondurable Goods	436	433	428	41.4	41.4	41.4
Food and Kindred Products	407	401	405	40.6	40.7	40.6
Meat Products	373	394	361	40.8	44.1	40.6
Dairy Products	401	412	403	40.4	40.9	40.3
Textile Mill Products	282	283	349	40.5	40.5	44.2
Apparel and Other Fin. Prod.	246	241	234	38.7	37.6	37.5
Paper and Allied Products	588	590	569	45.6	45.8	45.7
Pulp and Paper Mills	628	631	613	46.1	46.2	46.4
Printing, Pub. and Allied Prod.	439	443	431	39.0	39.1	38.5
Chemicals and Allied Products	397	394	474	37.0	37.1	41.0
Rubber and Misc. Plastics Prod.	343	339	328	40.7	40.9	40.1
Leather and Leather Products	263	250	267	39.4	38.4	40.2

WISCONSIN EARNINGS AND HOURS DATA

EARNINGS AND HOURS (Unadjusted)	Average Hourly Earnings Including O T			Average Hourly Earnings Excluding O T		
	Latest Month	Mo. Ago	Yr. Ago	Latest Month	Mo. Ago	Yr. Ago
	DECEMBER					
All Manufacturing (Incl. Canning)	\$10.73	\$10.69	\$10.51	\$10.17	\$10.11	\$10.07
All Manufacturing (Excl. Canning)	10.76	10.73	10.54	10.19	10.15	10.10
Durable Goods	10.85	10.83	10.61	10.32	10.28	10.23
Lumber/Wood Prod. (Exc. Furn.)	7.97	7.92	7.57	7.87	7.81	-
Furniture and Fixtures	8.02	8.22	8.16	7.84	7.87	7.79
Stone, Clay and Glass Products	9.44	9.55	9.19	9.04	9.06	9.07
Primary Metal Industries	10.37	10.21	10.21	9.70	9.58	9.75
Iron and Steel Foundries	10.29	10.09	9.91	9.60	9.43	9.52
Fabricated Metal Products	10.46	10.42	10.31	9.95	9.96	9.92
Fab. Structural Metal Prod.	10.04	9.97	10.33	9.53	9.45	9.81
Metal Stampings	11.36	11.42	11.00	10.85	10.93	10.64
Machinery (Except Electrical)	11.73	11.84	11.77	11.00	11.10	11.18
Engines and Turbines	13.17	13.42	13.24	12.20	12.34	12.29
Farm Machinery and Equip.	12.52	12.47	12.97	11.77	11.79	12.47
Const. and Related Mach.	10.85	11.41	10.82	10.24	10.77	10.34
Metalworking Mach. and Equip.	12.15	12.20	12.31	11.55	11.56	11.74
Spec. Ind. Mach. (Exc. Metal)	11.86	11.69	11.81	11.14	11.11	11.30
Gen. Industrial Mach. and Equip.	11.33	11.27	11.62	10.74	10.70	11.21
Electrical Mach., Equip. and Supp.	10.29	10.30	10.01	9.89	9.85	9.74
Electrical Industrial Apparatus	10.88	10.93	10.56	10.67	10.68	10.49
Transportation Equipment	14.50	14.47	13.61	13.92	13.82	13.05
Instruments and Related Prod.	9.20	9.07	8.93	8.76	8.66	8.70
Nondurable Goods	10.52	10.45	10.34	9.90	9.83	9.81
Food and Kindred Products	10.02	9.86	9.97	9.51	9.35	9.44
Meat Products	9.13	8.93	8.89	8.70	8.43	8.49
Dairy Products	9.93	10.07	10.01	9.39	9.49	9.53
Textile Mill Products	6.69	6.99	7.89	6.69	6.77	7.54
Apparel and Other Fin. Prod.	6.36	6.41	6.24	6.27	6.31	6.12
Paper and Allied Products	12.89	12.89	12.45	12.02	12.02	11.80
Pulp and Paper Mills	13.63	13.65	13.22	12.64	12.68	12.52
Printing, Pub. and Allied Prod.	11.25	11.32	11.19	-	-	-
Chemicals and Allied Products	10.72	10.61	11.55	10.36	10.31	11.25
Rubber and Misc. Plastics Prod.	8.42	8.28	8.17	8.08	7.95	7.87
Leather and Leather Products	6.68	6.52	6.65	6.43	6.37	6.55

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SUMMARY OF RECENT WISCONSIN DATA

EARNINGS AND HOURS, MFG. Production Workers (Unadjusted) DECEMBER	Average Weekly						Average Hourly Earnings				
	Earnings			Hours			Including O.T.			Excluding O.T.	
	Latest Month	Month Ago	Year Ago	Latest Month	Month Ago	Year Ago	Latest Month	Month Ago	Year Ago	Latest Month	Month Ago
United States	\$422	\$414	\$409	41.9	41.4	41.5	10.08	10.01	9.85	-	-
Wisconsin	455	453	440	42.4	42.4	41.9	10.73	10.69	10.51	10.17	10.11
<i>Selected Areas</i>											
Appleton-Oshkosh (Calumet- Winnebago-Outagamie)	486	477	456	43.7	43.2	42.7	11.13	11.04	10.69	10.54	10.46
Beloit (City)	410	398	438	41.0	39.7	42.5	10.00	10.03	10.31	9.80	9.88
Eau Claire (Eau Claire-Chippewa)	455	455	427	41.3	42.1	41.0	11.02	10.81	10.41	10.56	10.39
Fond du Lac (County)	426	421	436	40.3	40.0	44.4	10.58	10.52	9.83	10.12	10.10
Green Bay (Brown County)	481	479	494	42.1	41.6	42.4	11.43	11.51	11.64	10.44	10.51
Janesville (City)	572	571	502	39.9	40.4	38.6	14.34	14.13	13.00	13.90	13.68
Janesville-Beloit (Rock County)	490	485	472	40.2	40.0	39.6	12.20	12.13	11.91	11.75	11.63
Kenosha (County)	510	508	480	40.8	40.7	41.0	12.51	12.47	11.70	12.17	12.00
La Crosse (County)	374	375	371	41.0	41.8	39.4	9.13	8.96	9.42	8.81	8.63
Madison (Dane County)	401	401	404	40.8	40.8	40.8	9.82	9.84	9.90	9.39	9.42
Manitowoc (County)	425	393	405	41.8	40.3	41.5	10.17	9.76	9.75	9.71	9.36
Milwaukee (Milwaukee-Ozaukee- Waukesha-Washington)	503	504	494	42.8	42.7	42.3	11.76	11.81	11.63	11.06	11.06
Racine (County)	493	483	454	43.5	43.2	41.9	11.33	11.17	10.83	10.71	10.63
Sheboygan (County)	417	403	425	43.0	42.1	43.6	9.70	9.57	9.75	9.10	9.12
Wausau (Marathon County)	440	438	416	44.1	43.2	42.4	9.97	10.13	9.81	9.39	9.55

EMPLOYMENT, MFG. (Unadjusted)	(In Thousands)			Percent Change	
	Latest Month	Month Ago	Year Ago	Month Ago	Year Ago
United States	19,384.0	19,402.0	18,974.0	-0.1	2.2
Wisconsin	528.0	528.9	509.7	-0.2	3.6
<i>Selected Areas</i>					
Appleton-Oshkosh (Calumet- Winnebago-Outagamie)	50.6	50.5	48.1	0.2	5.2
Beloit (City)	4.8	4.8	4.5	0.0	6.7
Eau Claire (Eau Claire-Chippewa)	10.0	10.0	10.3	0.0	-2.9
Fond du Lac (County)	10.0	9.9	10.3	1.0	-2.9
Green Bay (Brown County)	24.2	24.5	23.9	-1.2	1.3
Janesville (City)	9.8	9.8	10.6	0.0	-7.5
Janesville-Beloit (Rock County)	17.2	17.2	16.7	0.0	3.0
Kenosha (County)	15.1	14.3	11.3	5.6	33.6
La Crosse (County)	10.6	10.6	10.1	0.0	5.0
Madison (Dane County)	23.0	22.9	21.4	0.4	7.5
Manitowoc (County)	10.7	11.2	11.0	-4.5	-2.7
Milwaukee (Milwaukee-Ozaukee- Waukesha-Washington)	169.9	169.8	167.9	0.1	1.2
Racine (County)	24.5	24.4	24.3	0.4	0.8
Sheboygan (County)	19.7	19.6	18.8	0.5	4.8
Wausau (Marathon County)	13.3	13.3	12.2	0.0	9.0

OCCUPATIONAL PROJECTIONS TO 1995

The number and kinds of workers needed in Wisconsin in 1995 will depend on the interplay of demographic, economic, social, and technological factors which shape the state's economy. Changes in these factors affect both the demand for goods and services and also the supply of those looking for work. Moreover, some occupations will grow much faster than others as the demand increases. Other occupations will decline in importance or even disappear as the adoption of new technologies change the way in which goods and services are produced, sold, and distributed. In addition, global changes in the economy and in national economic policy can all be expected to play a role in determining the future demand for labor in Wisconsin.

Over the last twenty-five years the rapid expansion of service sector employment and relative stagnation of manufacturing employment have profoundly altered the state's occupational structure, increasing the number of workers in professional, paraprofessional, and technical occupations and in sales and service occupations at the expense of those in clerical and administrative support occupations and in production, operative, and maintenance occupations. Despite continued growth expected in the overall service providing portion of the state's economy, the distribution of employment by major occupational group in the state is expected to change only marginally between 1985 and 1995 as low growth rates in larger occupational categories are balanced out by slower growth in smaller categories.

Most new jobs in Wisconsin's economy over the next ten years will be found

in the professional, paraprofessional, and technical occupations, the service occupations, and the production, operative, and maintenance occupations. These categories will be responsible for adding nearly seventy percent of all new jobs to the economy between 1985 and 1995 in roughly equal shares. Employment in sales and related occupations will add thirteen percent of the new jobs, managerial and administrative occupations seven percent, and clerical and administrative support occupations thirteen percent.

The fastest growing occupations in Wisconsin and in the country as a whole tend to be professional, paraprofessional, and technical jobs. The thirty-five fastest growing occupations include five percent of the occupational categories, but fourteen percent of the expected new job growth. Most of these fast growing technical occupations are concentrated in the rapidly growing business services and health care industries in the state.

Most new openings in an occupation arise from the need to replace workers who have left the occupation. Such openings arise as workers leave one occupation to pursue another, become unemployed, or leave the labor force altogether through retirement or return to school, housekeeping, or other pursuits. Overall, about three out of every four new jobs openings in the state's economy will be created by the need to replace workers in existing jobs.

Most new openings in Wisconsin due to labor force separations over the next ten years will be found in the production, operative, and maintenance occupations (26%), the service

occupations (21%), the professional, paraprofessional, and technical occupations (15%), and the clerical and administrative support occupations (15%). Labor force separations in each of these categories will account for annual average openings of more than 10,000 jobs. Because the number of openings due to labor force separations is so much greater than the number of openings due to employment growth, the overall distribution of total openings by occupation group is much the same. The bulk of the total openings in the labor force are expected to be in the service occupations (22%), the production, operative, and maintenance occupations (20%), and the professional, paraprofessional, and technical occupations (18%).

Both sales, service, and clerical occupations tend to be over-represented on this list relative to their numbers in the overall distribution of job categories in the state. Higher than average growth in Retail Trade, minimal training requirements, high turnover are expected to result in about 9,000 openings annually for salespersons, cashiers, bartenders, and waiters and waitresses.

Although clerical and managerial occupations are found in all industries, stronger than average growth in the Finance, Insurance and Real Estate industry is expected to contribute to a large number of openings for general management occupations, general office clerks, and bookkeeping and accounting clerks. Together, these three occupations will account for about 6,600 openings annually.

Although employment in most occupations in the state is expected to increase, the number of jobs available in about six percent of the jobs categories is expected to decline by more than ten.

This would represent an overall loss of about 6,700 jobs in these 49 occupations between 1985 and 1995. Although most of the categories expected to experience job losses are in the production, operative, and maintenance occupations, some clerical occupations such as stenographers, data entry keyers, payroll and timekeeping clerks, file clerks, and stock clerks are also likely to be hard hit. Technology change, particularly the adoption of production and office automation technology, is expected to alter the kinds of skills needed in the workplace. Other factors which influence the decline in employment include import competition, demographic changes, and changes in consumer tastes. Thus, while we expect some kinds of production and clerical occupations to decline, other, more skilled occupations within these groups will be growing.

Technologically-intensive occupations are expected to add about 8,700 new jobs in Wisconsin between 1985 and 1995. Overall, the rate of growth in these occupations is expected to be about one and one half times that of state's total work force. Employment in these occupations is expected to increase by about twenty percent over the ten years while the overall work force will grow by about twelve percent over the same time period.

As with industry growth, a few technologically-intensive occupations will be responsible for much of the expected employment growth. These include electrical and electronic engineers, mechanical engineers, electrical and electronic technicians, computer system analysts, drafters, and computer programmers. These six occupations are expected to add 6,450 new jobs in the state between 1985 and 1995. About three out of every four new technologically-intensive jobs in Wisconsin will fall in one of these six categories.

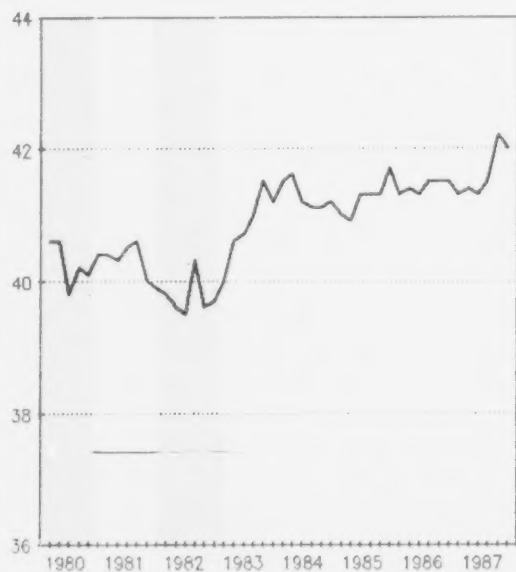
OCCUPATIONS WITH THE MOST PROJECTED JOB OPENINGS IN WISCONSIN 1985 THROUGH 1995

	ANNUAL JOB GROWTH	ANNUAL SEPARATIONS	TOTAL ANNUAL JOB OPENINGS
SALESPERSONS, RETAIL	804	3263	4067
JANITORS AND CLEANERS, EXC. MAIDS	583	3146	3729
GENERAL MANAGERS AND TOP EXEC.	668	2292	2960
GENERAL OFFICE CLERKS	270	1737	2007
CASHIERS	962	992	1954
BOOKKEEPING & ACCOUNTING CLERKS	243	1615	1858
BARTENDERS	541	1283	1824
NURSING AIDES AND ORDERLIES	539	1266	1805
REGISTERED NURSES	867	762	1629
WAITERS AND WAITRESSES	730	609	1339
STOCK CLERKS, SALES FLOOR	173	1054	1227
FOOD PREPARATION WORKERS	306	895	1201
SALES REPS. EXC. SCIENTIFIC & RETAIL	281	901	1182
MAIDS AND HOUSEKEEPING CLEANERS	205	873	1078
MAINTENANCE REPAIRERS, GEN. UTIL.	270	734	1004
TEACHERS, ELEMENTARY	242	703	945
TRUCK DRIVERS, HEAVY	217	711	928
GUARDS AND WATCH GUARDS	102	771	873
ACCOUNTANTS AND AUDITORS	346	438	784
TEACHERS, SECONDARY SCHOOL	182	601	783
GARDENERS AND GROUNDSKEEPERS	127	574	701
COOKS, RESTAURANT	213	471	684
TRUCK DRIVERS, LIGHT	194	480	674
FIRST LINE SUPERVISORS, PRODUCTION	103	564	667
FIRST LINE SUPERVISORS, CLERICAL	189	428	617

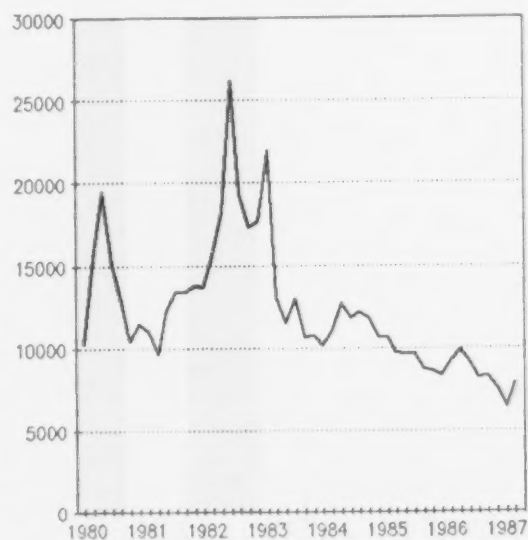
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CYCLICAL INDICATORS

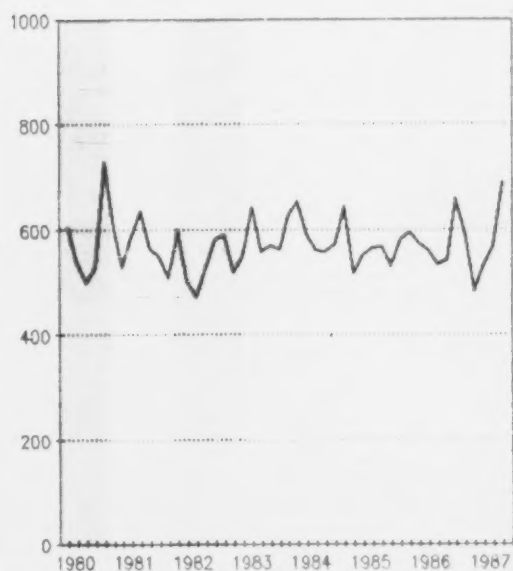
AVG. WORKWEEK, MFG. (hours)



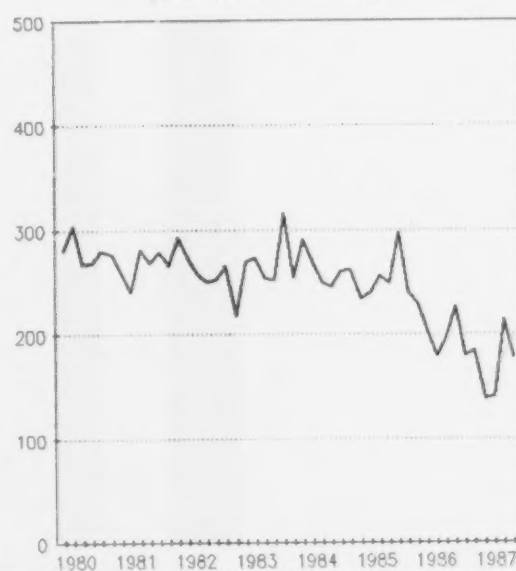
AVG. WEEKLY INITIAL CLAIMS
FOR UNEMPLOYMENT COMPENSATION



NEW BUSINESS INCORPORATIONS

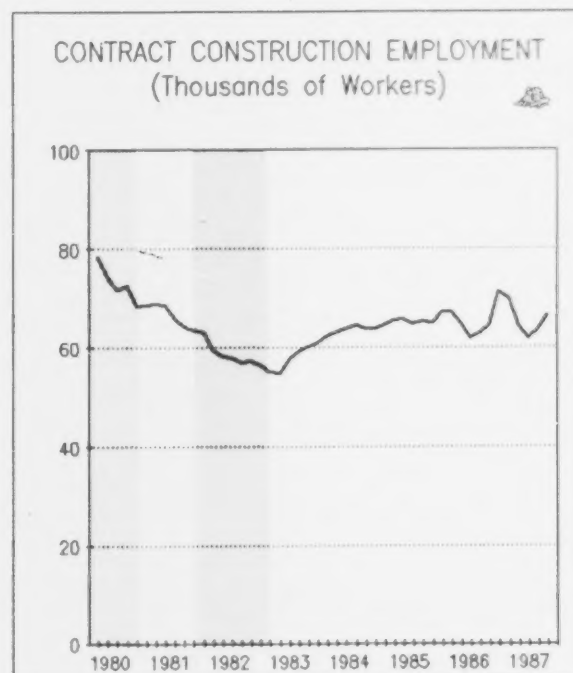
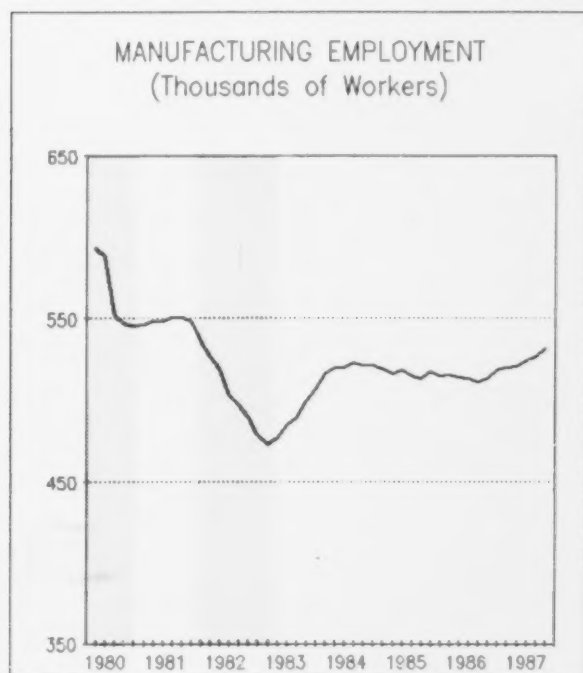
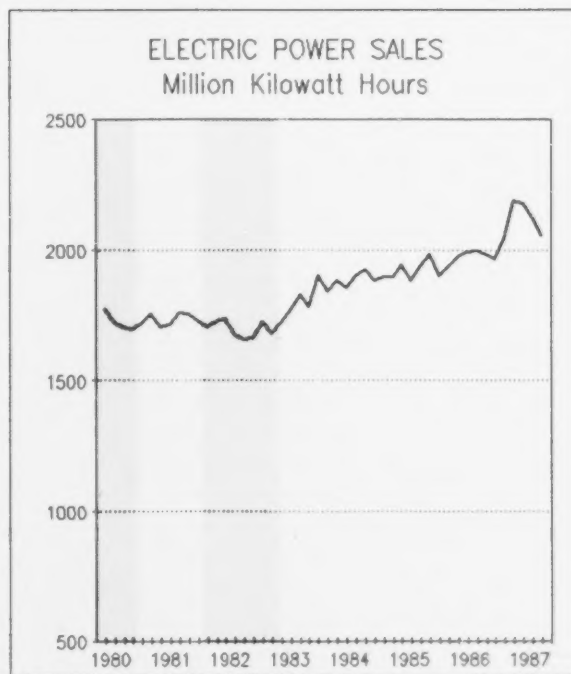
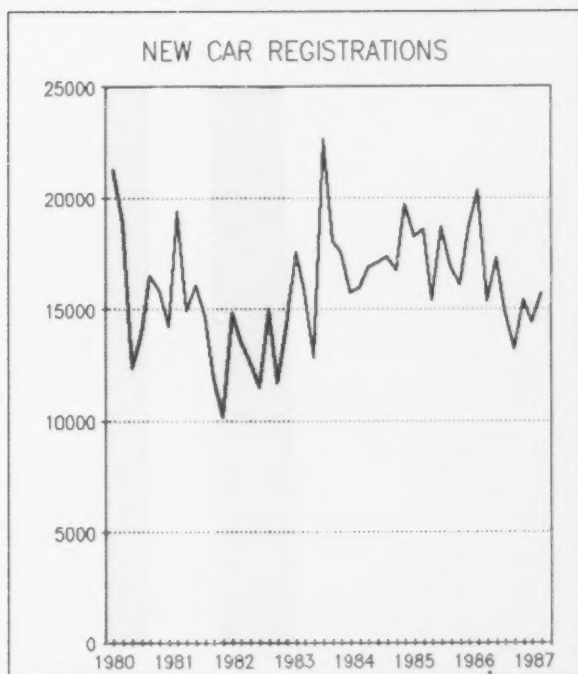


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